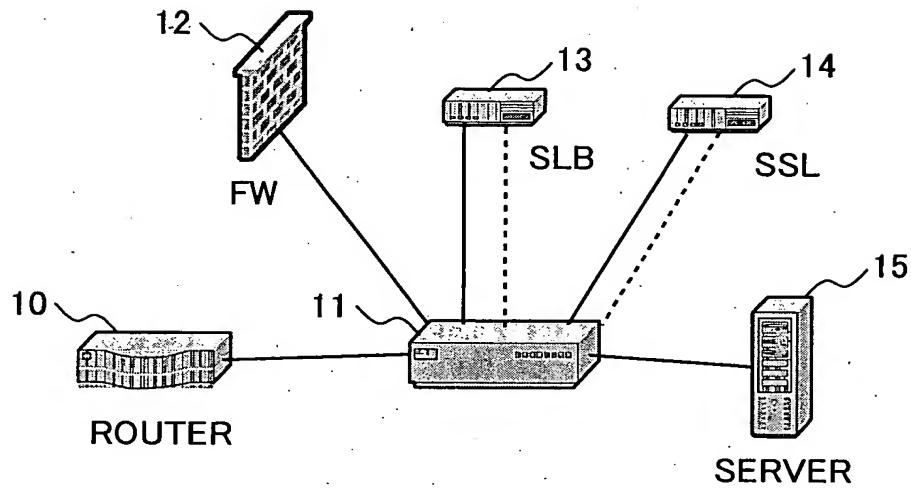


BEST AVAILABLE COPY

FIG.1



BEST AVAILABLE COPY

FIG.2

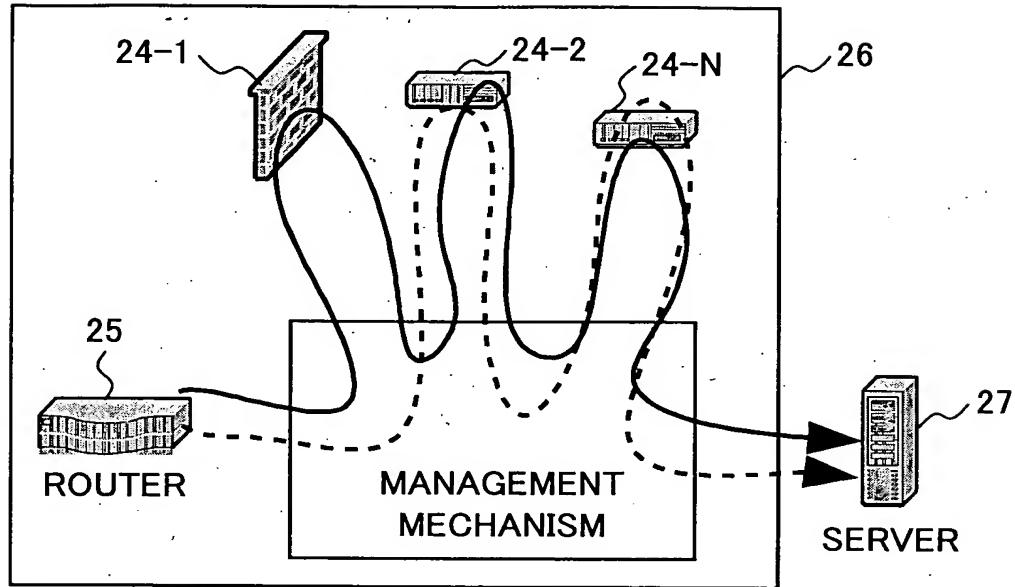


FIG.3

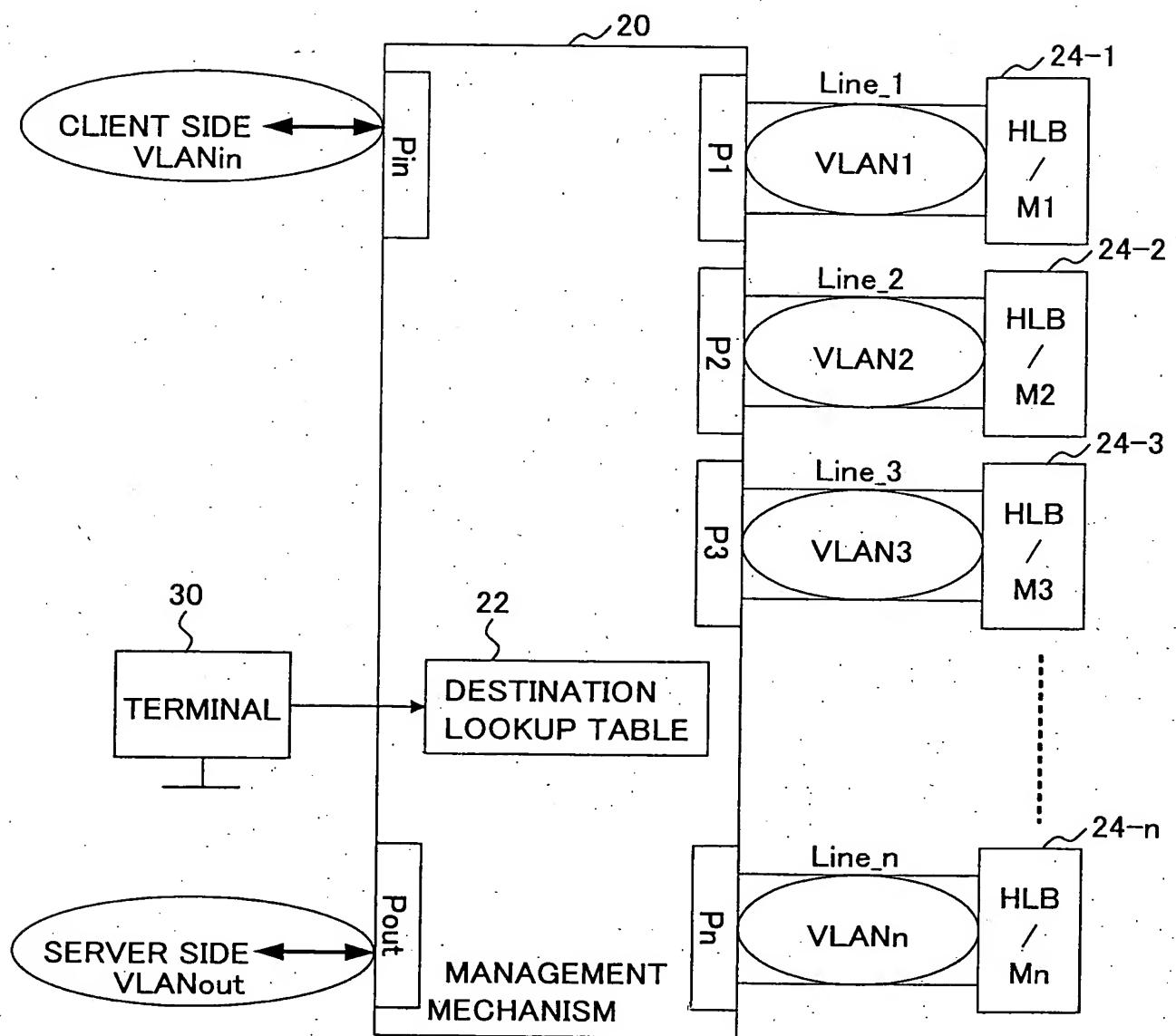


FIG.4

		SEARCH KEY	SEARCH RESULT		
		VLANtag (32bit)	VLANtag (32bit)	MAC ADDRESS (48bit)	PHYSI -CAL PORT
ENTRY OF USER A (VIRTUAL LINK INFOR MATION)	a1 LINE	VLANin_a	UP VLAN1_a	M1	P1
	a2	UP VLAN1_a	UP VLAN2_a	M2	P2
	a3	UP VLAN2_a	UP VLAN3_a	M3	P3
	a4	...	...	...	...
	a5	UP VLANn_a	VLANout_a	Mout	Pout
	a6	VLANout_a	DOWN VLANn_a	Mn	Pn
	a7	...	...	...	...
	a8	DOWN VLAN1_a	VLANin_a	Min	Pin
ENTRY OF USER B (VIRTUAL LINK INFOR MATION)	b1	VLANin_b	UP VLAN2_b	M2	P2
	b2	UP VLAN2_b	UP VLAN3_b	M3	P3
	b3	...	...	...	...
	b4	UP VLANn_b	VLANout_b	Mout	Pout
		VLANout_b	DOWN VLANn_b	Mn	Pn
	
		DOWN VLAN2_b	VLANin_b	Min	Pin
	
ENTRY OF USER X (VIRTUAL LINK INFOR MATION)	c1	VLANin_x	UP VLAN2_x	M2	P2
	c2	UP VLAN2_x	UP VLAN3_x	M3	P3
	c3	...	...	...	...
	c4	UP VLANn_x	VLANout_x	Mout	Pout
		VLANout_x	DOWN VLANn_x	Mn	Pn
	
		DOWN VLAN2_x	VLANin_x	Min	Pin
	

UP-DIRECTIONAL ROUTING PATH
 DOWN-DIRECTIONAL ROUTING PATH
 UP-DIRECTIONAL ROUTING PATH
 DOWN-DIRECTIONAL ROUTING PATH
 UP-DIRECTIONAL ROUTING PATH
 DOWN-DIRECTIONAL ROUTING PATH
 UP-DIRECTIONAL ROUTING PATH
 DOWN-DIRECTIONAL ROUTING PATH

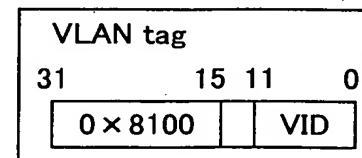


FIG.5

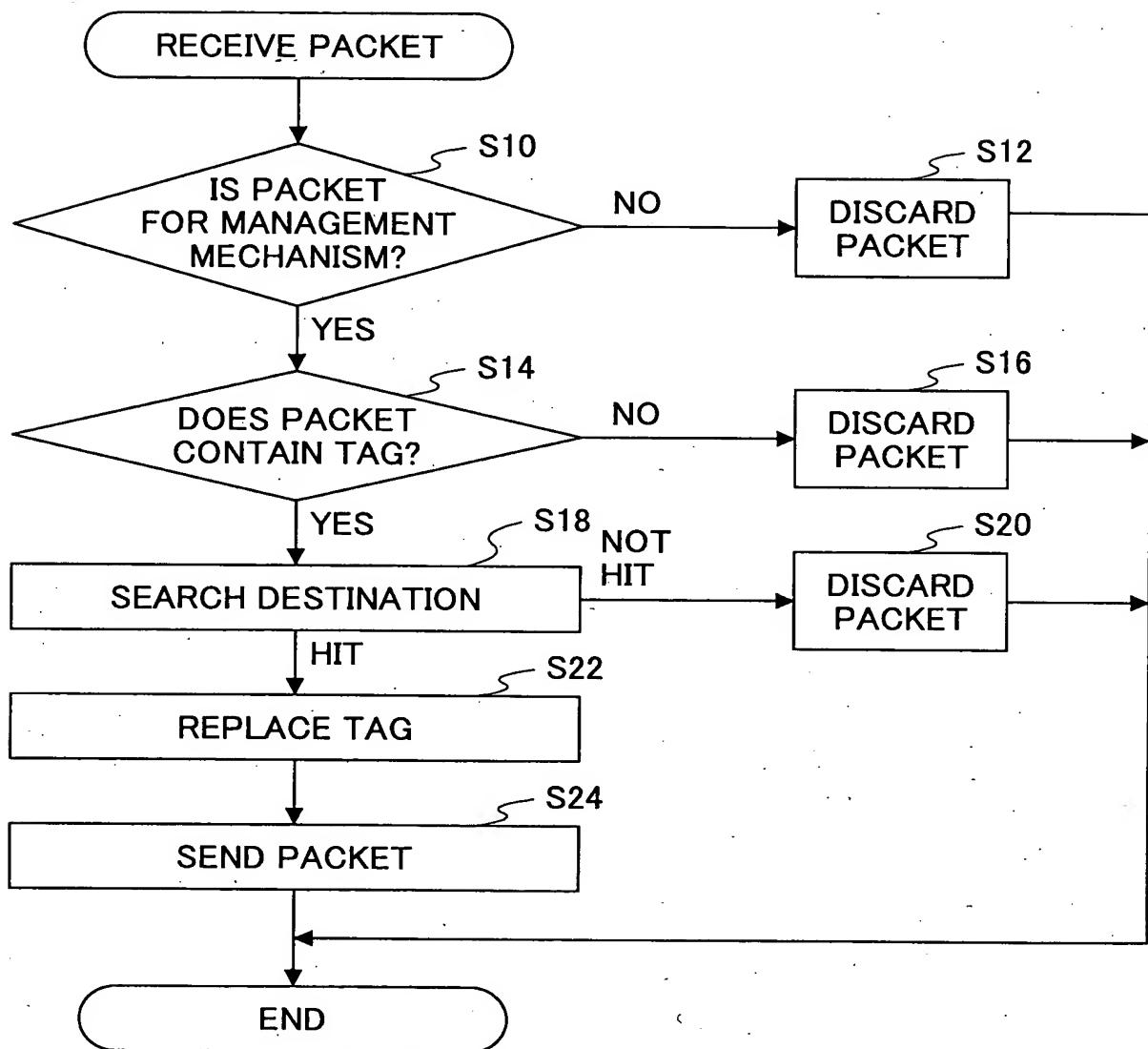


FIG.6

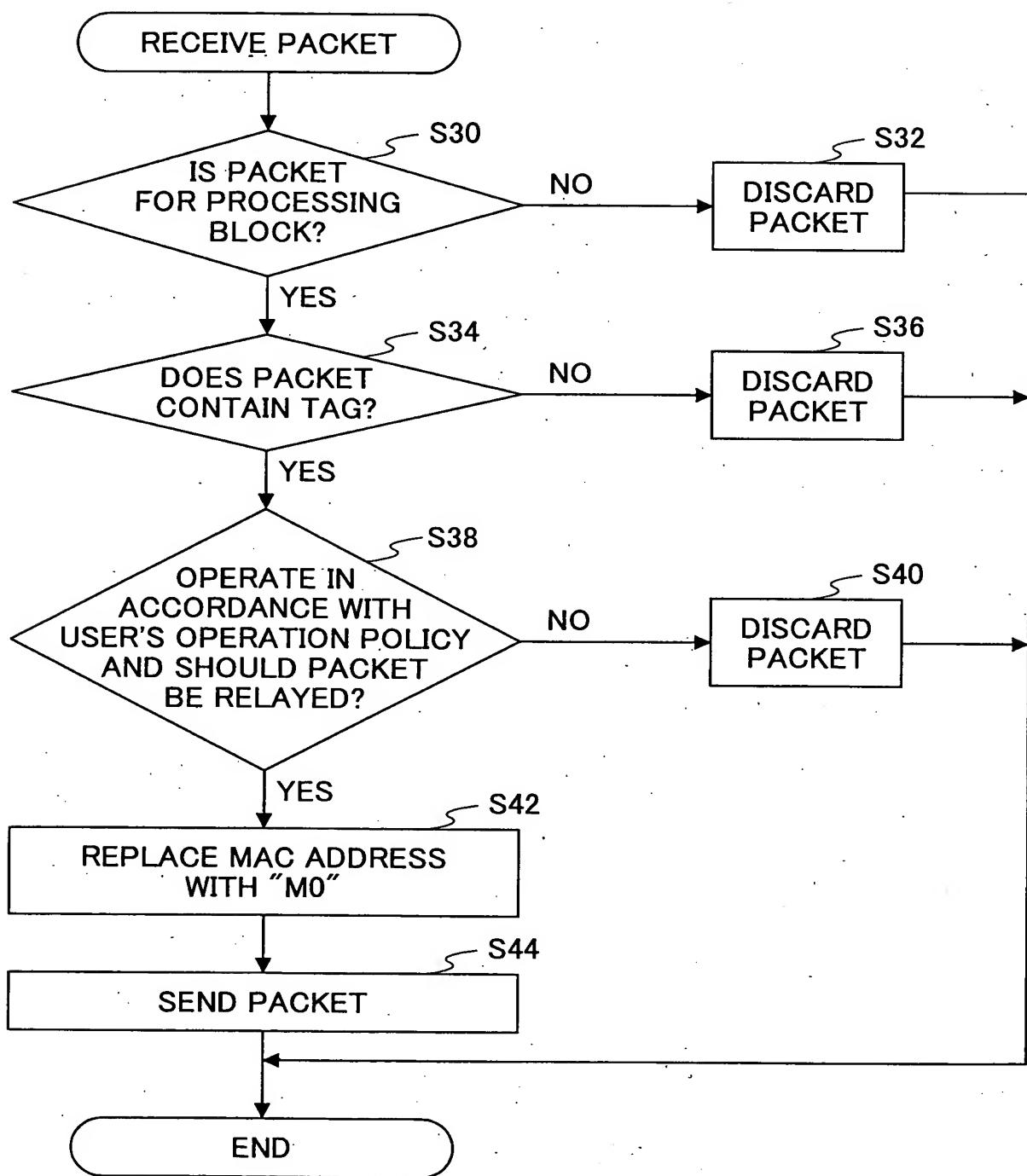


FIG.7

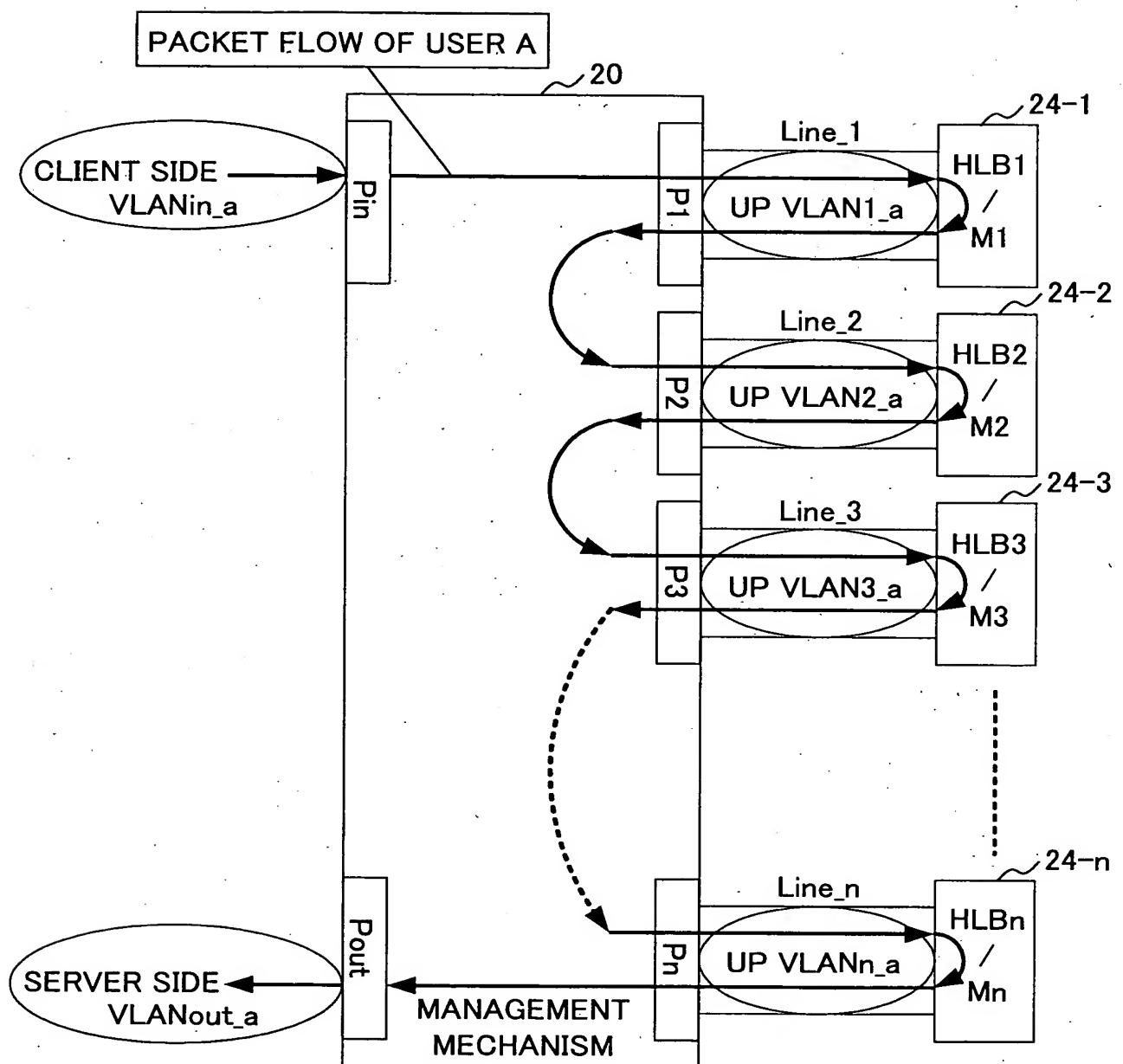


FIG.8

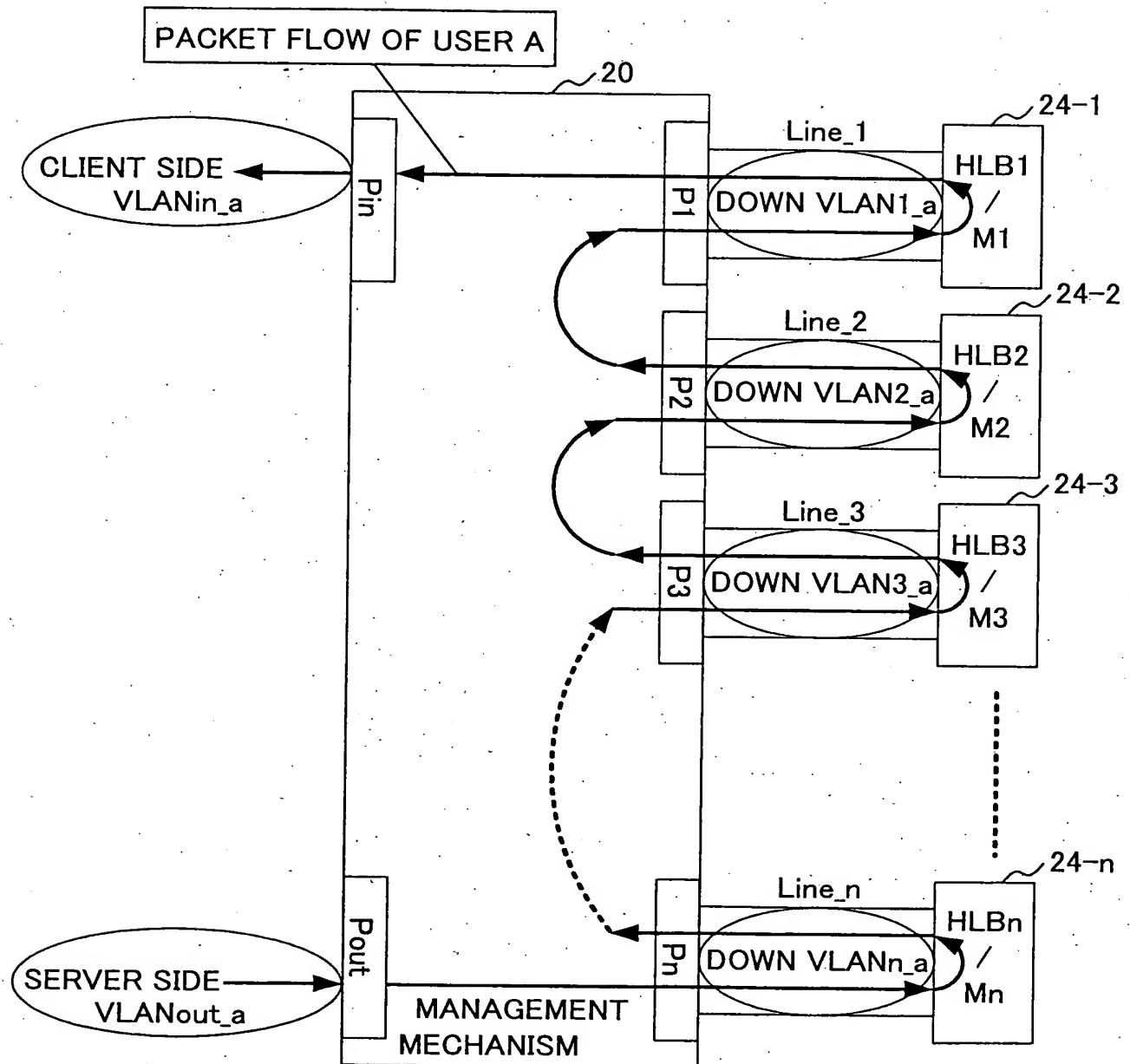


FIG.9

SEARCH KEY		SEARCH RESULT		
	VLANtag (32bit)	VLANtag (32bit)	MAC ADDRESS (48bit)	
	PHYSICAL PORT			
	VLANin_a	UP VLAN1_a	M1	P1
	UP VLAN1_a	UP VLAN2_a	M2	P2
	UP VLAN2_a	UP VLAN3_a	M3	P3

	UP VLANn_a	VLANout_a	Mout	Pout
	VLANout_a	DOWN VLANn_a	Mn	Pn

	DOWN VLAN1_a	VLANin_a	Min	Pin
b0 LINE	VLANin_b	UP VLAN1_b	M1	P1
b1	UP VLAN1_b	UP VLAN2_b	M2	P2
b2	UP VLAN2_b	UP VLAN3_b	M3	P3
b3	...	...	...	...
b4	UP VLANn_b	VLANout_b	Mout	Pout
	VLANout_b	DOWN VLANn_b	Mn	Pn

	DOWN VLAN2_b	VLANin_b	Min	Pin

c2	VLANin_x	UP VLAN3_x	M3	P3
c3	UP VLAN3_x	UP VLAN4_x	M4	P4

	UP VLANn_x	VLANout_x	Mout	Pout
	VLANout_x	DOWN VLANn_x	Mn	Pn

	DOWN VLAN2_x	VLANin_x	Min	Pin